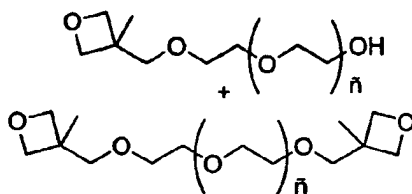


Atty. Dkt. No. 030307/0196

where  $\bar{n} = 6-300$ where  $m$  is an integer of 1-10, and $R$  is H or alkyl or aryl or arylalkyl.

6. (Amended) A process for the preparation of the macromonomers of claim 1 comprising reacting an alkali metal derivative of a polyethylene glycol having 6-300 repeating units with a halo substituted compound having the formula:

where  $Z$  is Cl, Br, I, toluenesulfonyloxy or  $CF_3SO_3$ and where  $m$  is an integer of 1-10, and  $R$  is H or alkyl or aryl or arylalkyl

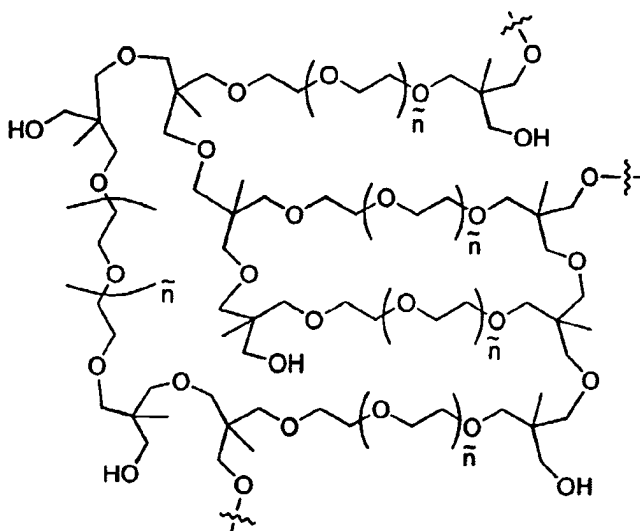
8. (Amended) A process according to claim 6 wherein the alkali metal derivative is a sodium derivative.

9. (Amended) A process according to claim 6 wherein the alkali metal derivative is a potassium derivative.

Atty. Dkt. No. 030307/0196

10. (Amended) A cross linked polymer formed by the polymerization of a macromonomer according to claim 2.

11. (Amended) A cross linked polymer formed by the polymerization of a macromonomer that has the structure claimed in claim 4, formed by the polymerization wherein the polymerization is initiated by a cationic catalyst and formed by the polymerization of a macromonomer the structure of the polymer is represented by the structure:



where  $\bar{n} = 6-300$

R is H or alkyl or aryl or arylalkyl.

Atty. Dkt. No. 030307/0196

12. (Amended) A crosslinked polymer and formed by the polymerization of a macromonomer that has the structure of claim 5.

14. (Amended) A beaded resin comprised of a polymer according to claim 10.

31. (Amended) A polymer according to claim 10 wherein the polymerization involves a short temporary crosslinker.

Please add the following new claim:

34. (New) A process for the preparation of the macromonomers of claim 2 comprising reacting an alkali metal derivative of a polyethylene glycol having 6-300 repeating units with a halo substituted compound having the formula:



where Z is Cl, Br, I, toluenesulfonyloxy or  $\text{CF}_3\text{SO}_3$

and where m is an integer of 1-10, and R is H or alkyl or aryl or arylalkyl